

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(blood and (transducer sensor) and (piezoelectric electrostrictive magnetostrictive acousto-optic thermo-acoustic acoustooptic thermoacoustic) and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 15:56
L2	0	(blood and (transducer sensor) and frequency and (hertz khz ghz kilohertz gigahertz) and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/06 16:22
S1	227	600/368-369.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 16:58
S2	89	("4430699" "4448231" "4451923" "4484273" "4531193" "4558589" "4591977" "4599219" "4756884" "4819149" "4831558" "4849340" "4864489" "4938068" "4969083" "4992926" "5110727" "5115675" "5122794" "5131092" "5151978" "5159673" "5166678" "5167145" "5200532" "5245704" "5251302" "5329579" "5333114" "5372946" "5418143" "5434774" "5452201" "5453924" "5457999" "5485142" "5485400" "5506956" "5513324" "5537547" "5537626" "5546584" "5579482" "5601995" "5608720" "5691896" "5706007" "5754596" "5764891" "5764955" "5768119" "5793963" "5796602" "5796721" "5801942" "5805442" "5825664" "5828851" "5834861" "5841654" "5850523" "5854890" "5859959" "5862052" "5881311" "5889817" "5903455" "5909368" "5960214" "5963147" "5970430" "5975737" "5978578" "5978850" "5980078" "5982362" "5995916" "6014612" "6026352" "6032208" "6044305" "6047222" "6094600" "6095674" "6098116" "6151625" "RE27703" "RE36263").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:04

S3	349181	blood	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:44
S4	211917	transducer	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:05
S5	211925	transducer or sensro	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:05
S6	831023	transducer or sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:48
S7	2923082	response react\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:05
S8	40883	S3 with S7	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:05
S9	2753	S8 same S6	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:28
S10	19	S1 and S9	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:08
S11	1	S2 and S9	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:08

S12	584	S8 same S4	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:28
S13	298	S12 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:28
S14	6199746	appl\$4 application	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:29
S15	423755	S14 near3 signal	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:29
S16	20	S15 same S12	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:30
S17	15	S16 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:30
S18	224392	transducer	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 18:56
S19	905926	transducer or sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 18:56
S20	224392	S18 and S19	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:00

S21	1800684	biosensor media collagen thromboplastin	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 18:57
S22	672668	(vary\$3 varia\$4 varies alter\$3 alternat\$3 adjust\$4) with signal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 18:59
S23	31008	S20 and S21 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 18:59
S24	76472	blood and S19	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:01
S25	14176	S24 and S21 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:00
S26	30471	blood same S19	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:04
S27	2104	S26 and S21 and S22 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:01
S28	2706578	inlet port channel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:01
S29	365786	S28 with (blood fluid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:01

S30	373	S27 and S29 and (response reaction)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:04
S31	2883	blood same S19 same S21	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:04
S32	78	S22 and S31 and S26 and "600".clas. and S29 and (response reaction)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/10 19:27
S33	6074	electrostrict\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:44
S34	94367	(transducer or sensor) with frequency	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:48
S35	2026	S34 same blood	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:50
S36	1276	S35 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:50
S37	26	S35 same coagulat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 18:53
S38	2	((("4236893") or ("4735906"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/11 18:54

S39	2	((("5200051") or ("5096669"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 14:17
S40	1	collagen with frequency with coagulat\$3 with blood	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:17
S41	7	(US-20020166382-\$).did. or (US-4026671-\$ or US-4202204-\$ or US-5016469-\$ or US-5447440-\$ or US-5494639-\$ or US-5783447-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/12 14:21
S42	0	S41 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:21
S43	38	("4236893" "4314821" "4735906").PN. OR ("5494639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:22
S44	61	("3695842" "4180418" "4756884" "4948961" "4963498" "5004923" "5039617" "5086002" "5096669" "5110727").PN. OR ("5447440").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:22
S45	8	("3741002" "4026671" "4341111").PN. OR ("5016469").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:22
S46	13	("3714815" "3722262" "3751975" "4045999" "4148216").PN. OR ("4202204").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:22
S47	20	("3535084" "3741002" "3961898").PN. OR ("4026671").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:22

S48	19	(S43 S44 S45 S46 S47) and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:24
S49	755	blood and viscosity and catheter and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 14:25
S50	195	(blood with viscosity) and catheter and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 15:10
S51	191	(356/40).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 15:11
S52	236	(600/368,369).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 15:12
S53	25	(600/370).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 15:14
S54	597	(436/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/12 15:41
S55	208	(S51 S52 S53 S54) and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:01
S56	30	(S51 S52 S53 S54) and (frequency same coagulat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:28

S57	25	(S51 S52 S53 S54) and acoustic	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 18:34
S58	25	(S51 S52 S53 S54) and acoustic and (reference control)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 18:35
S59	25	(S51 S52 S53 S54) and acoustic and (reference control calibrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 18:35
S60	54	(S51 S52 S53 S54) and catheter and (membrane layer coat coating)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 18:49
S61	59	(S51 S52 S53 S54) and ((appl\$4 application generat\$4) with frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:02
S62	8	((depth distance) with transducer) and (S51 S52 S53 S54)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:20
S63	43	(S51 S52 S53 S54) and (wireless rf)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:48
S64	29	jina.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:48
S65	13	S64 and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/12 19:48

S66	1	("5968760").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/26 17:16
S67	5	"826567".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 17:59
S68	643954	(vary\$3 varia\$4 varies alter\$3 alternat\$3 adjust\$4) near3 (signal frequency amplitude phase)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 18:27
S69	8330	respon\$4 near2 blood	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 18:28
S70	294	S68 same S69	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 18:28
S71	45	("3828260" "3835839" "3835840" "3871359" "3994284" "4047205" "4086631" "4679426" "4738655" "4765179" "4835477" "4887458" "4909261" "5040538" "5040539" "5101825" "5203344" "5246002" "5246003" "5277181" "5372136" "5421341" "5427109" "5522388").PN. OR ("5642734").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 18:41
S72	44	S71 not S70	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 18:44
S73	894	S69 with (biosensor membrane collagen thromboplastin media)	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:05
S74	4	S68 same S73	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:06

S75	119	S68 and S73	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:09
S76	115	S75 not S70	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:09
S77	19	("3185820" "3313924" "3439267" "3694748" "3699319" "3701909" "3733547" "3757213").PN. OR ("3828260").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:34
S78	2	((("4849340") or ("5941821"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/26 19:36
S79	169	("2616796" "3233975" "3395210" "3434859" "3450501" "3520659" "3635678" "3650698" "3690836" "3691017" "3695842" "3836333" "3861197" "3880714" "3918908" "4062652" "4088448" "4233029" "4252536" "4302313" "4310399" "4321057" "4323536" "4340669" "4344438" "4391905" "4391906" "4413407" "4426451" "4473457" "4477575" "4558014" "4582684" "4596695" "4654127" "4678757" "4682895" "4712460" "4731330" "4753776" "4756884" "Re27866").PN. OR ("4849340").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:36
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S81	7	("4252536" "4777141" "4849340" "6030768" "6084660" "6099740").PN. OR ("7126676").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:42
S82	13	("4236893" "4695956" "4735906" "4849340" "5211054" "5494639").PN. OR ("5892144").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:46

S83	115	("3123066" "3638639" "3785772" "3787119" "3837339" "3939350" "3992631").PN. OR ("4344438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:48
S84	157	S80 S81 S82 S83	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:52
S85	150	S84 not S79	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/26 19:52
S86	115	("3123066" "3638639" "3785772" "3787119" "3837339" "3939350" "3992631").PN. OR ("4344438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 17:06
S87	88	S86 and (membrane layer coat\$3) and blood	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 17:06
S88	68	S86 and (membrane layer coat\$3) and blood and wavelength	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 17:23
S89	27	("3904373" "4003707" "4194877" "4200110" "4344438" "4468229" "4557900" "4568518" "4657736" "4712865" "4849172" "4867919" "4906249" "4921589" "4925268" "5219527" "5252494" "Re31879").PN. OR ("5330718").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/27 17:31
S90	37	(acoustic adj signal) near2 blood	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 14:51
S91	217	signal near2 (blood near sample)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 14:57

S92	96	S91 and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 14:57
S93	713	blood with frequency with respon\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:13
S94	18	(blood near sample) with frequency with respon\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:14
S95	5	"229030".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:35
S96	2	((("6542761") or ("5928180"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 17:38
S97	482	("3526480" "3551295" "3621381" "3715192" "3720093" "3763422" "3770607" "3776832" "3838033" "3902970" "3919627" "3925183" "3937615" "3948745" "3980437" "4005002" "4008448" "4040908" "4053381" "4065263" "4086631" "4123701" "4127448" "4184936" "4214968" "4217196" "4224125" "4225410" "4230537" "4233029" "4260680" "4263343" "4265250" "4273134" "4273639" "4297569" "4301412" "4303887" "4323536" "4329642" "4366033" "4407290" "4407959" "4413407" "4420564" "4431004" "4436094" "4440175" "4476149" "4477314" "4477575" "4499423" "4510383" "4517291" "4545382" "4547735" "4552458" "4571292" "4578716" "4592893" "4628193" "4642295" "4648665" "4652830" "4654197" "4671288" "4676653" "4679562" "4682602" "4686479" "4703017" "4703756" "4711245" "4713347" "4714874" "4731726" "4734184" "4750496" "4759828" "4789804" "4795542" "4797256" "4805624" "4806311" "4806312" "4810203" "4816224" "4820399" "4820636" "4832814" "4834234" "4849330" "4865873" "4877580" "4897162" "4919770" "4927516" "4929426" "4935105" "4935106")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/06 17:56

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S98	93	S97 and blood and frequency	US- PGPUB; USPAT; USOCR	OR	OFF	2009/01/06 17:57

S99	20	(blood near sample) with frequency with respon\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 19:49
S100	5	S99 and (mhz hz khz ghz)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 19:49
S101	38	("4236893" "4314821" "4735906").PN. OR ("5494639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 17:08
S102	38	("4236893" "4314821" "4735906").PN. OR ("5494639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 17:54
S103	38	("4236893" "4314821" "4735906").PN. OR ("5494639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 18:36
S104	31	S103 and blood	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 18:36
S105	1573	blood with ((electrical magnetic) adj field)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 19:09
S106	248	S105 and viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 19:09
S107	36	S105 same viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 19:12

S108	624	blood same (frequency amplitude phase) same viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 19:19
S109	182	blood with (frequency amplitude phase) with viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/04 19:22
S110	30	("3077764" "3650698" "3752443").PN. OR ("4149405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 16:57
S111	19	S110 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 16:57
S112	17	S111 and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 16:57
S113	30	("3077764" "3650698" "3752443").PN. OR ("4149405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:14
S114	19	S113 and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:14
S115	17	S114 and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:14
S116	13	S113 not S115	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:14

S117	3207	(blood with frequency) and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:19
S118	119	(blood with frequency with vibrat\$4) and catheter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:19
S119	74	S118 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:19
S120	5725	(viscosity viscoelastic\$3) and (frequency near2 (resonant harmonic antiresonant antiharmonic))	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:34
S121	876	(viscosity viscoelastic\$3) same (frequency near2 (resonant harmonic antiresonant antiharmonic))	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/07 17:35
S122	1	("4558589").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/07 18:14
S123	731	(73/61.49,54.24,54.41,61.45,61.75,61.42,64.49).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/15 12:38
S124	76	S123 and blood	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/15 12:39
S125	1	"956616".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/18 15:12

S126	266	600/368-369.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/15 18:04
S127	2	("0498177").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 13:16
S128	1	("4981779").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 13:17
S129	58	("4306877" "4317879" "4330299" "4390621" "4392933" "4399099" "4431004" "4436094" "4452887" "4460684" "4476870" "4548907" "4682895" "4737343").PN. OR ("4981779").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 16:46
S130	1	("5047627").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 16:02
S131	1	("5048525").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 17:31

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	0	(blood and (transducer sensor) and frequency and (hertz khz ghz kilohertz gigahertz) and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:22

L4	0	(blood and (transducer sensor) and (piezoelectric electrostrictive magnetostrictive acousto-optic thermo-acoustic acoustooptic thermoacoustic) and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:22
L5	0	(blood and (transducer sensor) and frequency and (resonant antiresonant harmonic anharmonic) and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:23
L6	0	(blood and (transducer sensor) and acoustic and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:23
L7	0	(blood and (transducer sensor) and (adhesion platelet coagulation) and frequency and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:23
L8	0	(blood and (transducer sensor) and collagen and (adhesion platelet coagulation) and frequency and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:24
L9	0	(blood and (transducer sensor) and thromboplastin and (activat\$3 concentrat\$3 plasma coagulation) and frequency and (active bioactive) and interact\$4 and driv\$3 and (vary\$3 chang\$3) and port and processor and response).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/06 16:30

8/ 6/ 2010 5:16:08 PM

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